

WDNR Air Management Mercury Analysis Team Project Table

Topic	Phase I SAI Modeling SAI Inputs and Year	Phase II Independent Modeling Base Year	Phase III Independent Modeling Control Year	Lead Responsibility
Emission Inventory Development	<ul style="list-style-type: none"> • SCC Code Assignment • Chemical Speciation • Spatial/Temporal Profiles • Data Gathering • 1996 NEI Evaluation • Evaluate Canada Data 	<ul style="list-style-type: none"> • 1999 NEI from USEPA • Create Emissions Files in EMS2001 Ready Format 	<ul style="list-style-type: none"> • Growth Files for EMS2001 • Control Files for EMS2001 	Grant Hetherington Orlando Cabrera-Rivera Chris Bovee
Emissions Modeling	<ul style="list-style-type: none"> • Rewrite Point Source Processor • Write Area Source NEI Reader • Incorporate Speciation, Temporal and Spatial Profiles • Update processors to model Hg 	<ul style="list-style-type: none"> • Convert Mobile 6 and Nonroad Models to NT version of EMS2001 • Create Model Ready Files for REMSAD pre-processing • Use Lambert projection system 	<ul style="list-style-type: none"> • Update Growth and Control Processors to model Hg • Create Model Ready Files for REMSAD pre-processing 	Gwendolyn Judson
Meteorological Modeling	<ul style="list-style-type: none"> • Learn MM5 and run model to prepare for Phase II 	<ul style="list-style-type: none"> • Provide Met Data for REMSAD • Use Lambert projection system 		Wusheng Ji
Air Chemistry Modeling	<ul style="list-style-type: none"> • Learn REMSAD background • Rerun SAI Base Case • Run Post-Processor Programs for Model Performance Evaluation • General Sensitivity Runs 	<ul style="list-style-type: none"> • Specific Sensitivity Runs • Use pre-processors to create REMSAD ready files • Run REMSAD using Lambert projection system • Run Post-Processor Programs for Model Performance Evaluation 	<ul style="list-style-type: none"> • Same process as Phase II for control year • Provide comparison plots of base vs. future year emissions 	Mike Majewski
Air Quality Data Analysis	<ul style="list-style-type: none"> • Literature Research • Background Analysis • Chlorine Study 			Bill Adamski Grace Liu

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Ambient Monitoring				Mark Allen
Grants/Funding	<ul style="list-style-type: none"> • Applications • Reporting/Commitments • Tracking/Management 			Marty Burkholder Jon Heinrich
Policy Activity	<ul style="list-style-type: none"> • Episode Selection • Sensitivity Run Definition 			Hg Analysis Team
Liaison/Education	<ul style="list-style-type: none"> • 			Marty Burkholder
Project Coordination	<ul style="list-style-type: none"> • Coordinate the team and track the completion of the duties and assignments of the team. • Act as repository for all team records, decision making documentation, correspondence, meeting minutes. 			Gwendolyn Judson